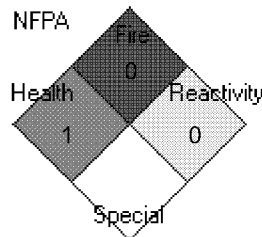


MSDS - Material Safety Data Sheet**Product Name: Bromine Base (SPA)****MSDS No.: 039905****Part Numbers Covered:**

039905

I. Basic Information:

Manufacturer: WILLIAM H. HARVEY COMPANY
Address: 4334 SOUTH 67TH STREET
City, ST Zip: OMAHA, NE 68117-1019

Last Update: 7/8/2002**Chemical State:** ☐ Liquid ☐ Gas ☒ Solid**Chemical Type:** ☒ Pure ☐ Mixture

1	Health
0	Flammability
0	Reactivity
E	Pers. Protection

II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
7775271	Sodium Persulfate-Imported	NI						NI	NI	NI

III. Hazardous Identification:**Hazard Category:**

☐ Acute ☐ Chronic ☐ Fire ☐ Pressure ☐ Reactive

Hazardous Identification Information:

NDA

IV. First Aid Measures:**Route(s) of Entry:**

Skin and inhalation

Health Hazards (Acute and Chronic):

irritant: Skin, eye, inhalation. Inhalation may cause decreased breathing capacity/asthma. Ingestion may cause irritation, nausea, vomiting, diarrhea,

Signs and Symptoms:

irritant

Medical Conditions Generally Aggravated by Exposure:

overexposure may aggravate disorders of the respiratory system and skin.

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Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes. Call a physician.

Skin: Flush with water for 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: DO NOT induce vomiting. Rinse mouth with water. Dilute stomach content by drinking water. Call physician immediately.

Other Health Warnings:

NI

V. Fire Fighting Measures:

Flash Point: NI

Lower Explosive Limit: NI

Upper Explosive Limit:

Fire Extinguishing Media: Flood with Water

Special Fire Fighting Procedures:

Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, SCBA and impervious protective clothing

Unusual Fire and Explosion:

Product is an oxidizer. It may react vigorously with organics or other materials resulting in an explosion and fire

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Evacuate non essential personnel. Eliminate ignition sources and wear protective equipment. Contain spill and recover free product. To clean up residue, flush sparingly with water or use an absorbent. Avoid runoff to ground water, surface waters, and sewers.

VII. Handling and Storage:

Precautions to be Taken:

Keep heat, lights, fire and sparks away. Do not add any other product to this container. For industrial use only.

ATTENTION: This container hazardous when empty.

Keep container closed when not in use. Store in a cool dry place.

Other Precautions:

Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do not breathe dust.

Do not get in eyes, on skin, or clothing. Keep away from contact with clothing or other combustible materials.

Do not swallow.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements. Local mechanical ventilation may be required.

Personal Protective Equipment:

Chemical goggles, faceshield, Do not wear contact lenses when working with chemicals.

wear clean body covering clothing, impervious gloves, rubber boots.

If exposure limits are exceeded, use a NIOSH/MSHA respirator approved for your conditions of exposure.

For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.

Safety shower, eye wash fountain, and washing facilities should be readily available.

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MSDS No.: 039905

IX. Physical and Chemical Properties:

Boiling Point: NI **Melting Point:** NI **Evaporation Rate:** NI

Vapor Pressure (mm Hg.): NI **Vapor Density (AIR = 1):** NI

Solubility In Water: 41%

Appearance and Odor: Solid: Powder, Crystal, Flake, Gran

Other Information:

X. Stability and Reactivity:

Stability:

Unstable

Incompatibility (Materials to Avoid):

Inorganic acids, inorganic bases, metals/metal blends. Product is an oxidizer. It may react vigorously with organics or other materials resulting in an explosion and fire.

Decomposition/By Products:

carbon monoxide, carbon dioxide, oxides of sulfur, oxides of nitrogen

Hazardous Polymerization:

will not occur

XI. Toxicological Information:

NDA

XII. Ecological Information:

NDA

XIII. Disposal Considerations:

Solids must be disposed of in a permitted waste management facility. Recovered liquids may be resprocessed or incinerated. Inceneration must be handled in a permitted hazardous waste management facility.

XIV. Transport Information:

XV. Regulatory Information:

NDA

XVI. Other Information: